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| **Completed By:** |  | **Date:** | **/ /** | **Multimeter Serial No:** |  |

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| **Location ID** |  | **LEU ID** |  | **MIPS200 Serial No.** |  | **MIPS200 Hardware Ver.** |  |

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| **MIPS200 Power Supply Testing** | | | | | |
|  | **Signal / LEU** | **Voltage Measured** | **Acceptable Range** | **Volts to Earth Active / Positive** | **Volts to Earth Com. / Negative** |
| **Input 120Vac (No Load)** |  | **Vac** | **96 / 132 Vac** | **Vac** | **Vac** |
| **Busbar 120Vac (Lights etc.)** |  | **Vac** | **96 / 132 Vac** | **Vac** | **Vac** |
| **PSU 1 Output (No Load)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |
| **PSU 1 Output (Loaded)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |
| **PSU 2 Output (No Load)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |
| **PSU 2 Output (Loaded)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |
| **PSU 3 Output (No Load)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |
| **PSU 3 Output (Loaded)** |  | **Vdc** | **24 Vdc (+/- 5%)** | **Vdc** | **Vdc** |

**NOTE:** In the 24 V circuit, the negative is connected with the earth (design of the equipment)

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| **Contact Sensing (Toroidal Transformer) Power Supply Testing** | | | | |
| **Toroidal Transformer ID:** |  | **Volts (Vac)** | **Acceptable Range** | **Current (mA)** |
| **Input 120Vac (No Load primary)** | |  | **96-132 Vac** |  |
| **Busbar 120Vac (on load)** | |  | **96-132 Vac** |  |
| **Transformer Secondary 1 (12Vac)** | |  | **10.6-15.7 Vac**  **(8.5:1 ±5%)** |  |
| **Transformer Secondary 2 (12Vac)** | |  | **10.6-15.7 Vac**  **(8.5:1 ±5%)** |  |
| **Transformer Current Balance** | |  | **Currents within 10%  (of each other)** | **OK / Not OK** |

|  |
| --- |
| **Remarks:** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Tester** | Name | Signature | / / |
| **Maintenance Signalling Engineer** | Name | Signature | / / |